

## ABSTRACT

Apparatus for delivering and deploying a stent formed of a shape memory alloy to a desired position in a tubular area of the body, and/or for repositioning and/or retrieving a stent formed of a two-way shape memory alloy. An arrangement is provided by which the temperature of the stent is locally adjusted during delivery, repositioning and/or retrieval in a safe and controlled manner by engagement with an expandable and collapsible thermal transfer member situated on a catheter assembly.